Donald Abelson
Chief of the International Bureau
Federal Communications Commission
445 12th Street SW
Washington, D.C. 20554

Dear Mr. Abelson:

The National Telecommunications and Information Administration on behalf of the Executive Branch Agencies, has approved the release of the attached Draft Executive Branch (NTIA) proposal considering federal agency inputs toward the development of U.S. Proposals for WRC-2003. This proposal is forwarded your consideration and review by the WRC-2003 Advisory Committee.

This proposal deals with WRC-2003 Agenda Item 1.11 (consideration of a secondary allocation for aeronautical mobile satellite in the 14-14.5 GHz band.) The attached proposal differs in two aspects from the proposal developed by the Commission via its WRC Advisory committee. We include, in the background, references to the need to protect the operation of two existing secondary services, radio astronomy and space research. We also include a requirement to protect those services in a footnote to the allocation table.

I suggest that a meeting between NTIA and the FCC, including the proponents of the new aeronautical mobile satellite service and the radio astronomy and space science communities, be scheduled as soon as possible in order to resolve the differences and prepare a draft U.S. proposal in time for the Inter-American Telecommunications Commission (CITEL) Permanent Consultative Committee III (PCC III) meeting in Mexico City February 18-21. I will have Jim Vorhies from my staff contact Alexander Roytblat to set up the meeting.

Sincerely,

(Original Signed January 29, 2002)
William T. Hatch
Associate Administrator
Office of Spectrum Management

Enclosure

United States of America

DRAFT PROPOSAL FOR THE WORK OF THE CONFERENCE

Agenda Item 1.11: to consider possible extension of the allocation to the mobile-satellite service (Earth-to-space) on a secondary basis in the band 14-14.5 GHz to permit operation of the aeronautical mobile-satellite service as stipulated in Resolution **216 (Rev.WRC-2000)**.

Background Information: Aeronautical Mobile-Satellite Service (AMSS) systems in the 14 -14.5 GHz band are proposed to meet the growing demand for two-way broadband communication, including data transmission, for aircraft passengers and crew. In Resolution 216, WRC-2000 resolved that WRC-03 should examine the possibility of broadening the secondary allocation to the mobile-satellite service (Earth-to-space), except aeronautical mobile-satellite, in the 14-14.5 GHz band to include aeronautical use, should the ITU-R studies demonstrate that such a secondary service can be operated without causing interference to the primary services. It further invited the ITU-R to complete, in time for WRC-03, the technical and operational studies on the feasibility of the sharing of the band 14-14.5 GHz between the fixed-satellite (Earth-to-space), radionavigation, fixed and mobile services, except aeronautical mobile, and the aeronautical mobile-satellite service, with the latter service on a secondary basis.

The ITU-R studies have concluded that appropriately designed AMSS systems can operate on a secondary basis in the band 14-14.5 GHz without causing harmful interference to services having primary allocations in the band. Additional studies have shown the feasibility <u>of appropriately designed and operated</u> AMSS <u>systems</u> sharing with the r<u>adio astronomy service and the space research service</u> employing secondary allocations. <u>A provision is added to the AMSS allocation to ensure protection for these secondary uses.</u> The ITU-R has ~~also~~ developed [Draft New] Recommendation ITU-R M.[AMSS] to provide administrations a common technical basis for implementing AMSS systems.

On the basis of the conclusions of the studies under Resolution 216, the secondary MSS allocation in the 14-14.5 GHz band can now be extended to include aeronautical use. No other regulatory changes are required and Resolution 216 may be suppressed. To encourage the timely development of AMSS in this band, it is proposed that the change of allocation should come into force upon the conclusion of WRC-03.

Proposal:

USA/ / 1
MOD

14-14.5 GHz

Allocation to services		
Region 1	**Region 2**	**Region 3**
14-14.25	FIXED-SATELLITE (Earth-to-space) S5.484A S5.506 RADIONAVIGATION S5.504 Mobile-satellite (Earth-to-space) **ADD** S5.XXX ~~except aeronautical mobile satellite~~ Space research S5.505	
14.25-14.3	FIXED-SATELLITE (Earth-to-space) S5.484A S5.506 RADIONAVIGATION S5.504 Mobile-satellite (Earth-to-space) **ADD** S5.XXX ~~except aeronautical mobile satellite~~ Space research S5.505 S5.508 S5.509	
14.3-14.4 FIXED FIXED-SATELLITE (Earth-to-space) S5.484A S5.506 MOBILE except aeronautical mobile Mobile-satellite (Earth-to-space) **ADD** 5.XXX ~~except aeronautical mobile satellite~~ Radionavigation-satellite	**14.3-14.4** FIXED-SATELLITE (Earth-to-space) S5.484A S5.506 Mobile-satellite (Earth-to-space) **ADD** 5.XXX ~~except aeronautical mobile satellite~~ Radionavigation-satellite	**14.3-14.4** FIXED FIXED-SATELLITE (Earth-to-space) S5.484A S5.506 MOBILE except aeronautical mobile Mobile-satellite (Earth-to-space) **ADD** 5.XXX ~~except aeronautical mobile satellite~~ Radionavigation-satellite
14.4-14.47	FIXED FIXED-SATELLITE (Earth-to-space) S5.484A S5.506 MOBILE except aeronautical mobile Mobile-satellite (Earth-to-space) **ADD** 5.XXX ~~except aeronautical mobile satellite~~ Space research (space-to-Earth)	
14.47-14.5	FIXED FIXED-SATELLITE (Earth-to-space) S5.484A S5.506 MOBILE except aeronautical mobile Mobile-satellite (Earth-to-space) **ADD** 5.XXX ~~except aeronautical mobile satellite~~ Radio astronomy S5.149	

Reasons: The Allocation Table is modified to reflect the addition of a new allocation for AMSS.

USA/ / 2
ADD

5.XXX In the band 14-14.5 GHz, aircraft earth stations shall not cause harmful interference to stations of the radio astronomy and the space research services allocated in portions of this band.

Reasons: On the basis of ITU-R studies, appropriately designed and controlled AMSS systems can operate on a secondary basis in the band 14-14.5 GHz without causing harmful interference to the primary services in the band and radio astronomy and space research services operating on a secondary basis in the band. Footnote S5.XXX is added to the AMSS allocation to ensure protection for these secondary uses.

NOTE: A separate proposal will be needed to give immediate effect to this new secondary allocation upon the conclusion of the conference. This is normally achieved by a resolution developed at the conference calling for provisional application (such as Resolution 54 (WRC-97)) together with a reference in Article S59, Entry into Force and Provisional Application of Radio Regulations (such as S59.6).

USA/ / 3
SUP

RESOLUTION 216 (REV.WRC-2000)

Reasons: Work is complete.

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